CLAIMS

1. A device control device comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

5   specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2); and

process execution means (7) which specifies a content of control to be performed on an external device to be a control target based on the specified content, and performs the control.

2. The device control device according to claim 1, wherein the speech recognition means

10   (2, 3) includes speech part specifying means (3) which specifies a part of speech of the specified words, and

the specifying means (7) specifies a content of the speech uttered by the utterer based only on those of the words specified by the speech recognition means (2) which are specified as a predetermined part of speech.

15   3. The device control device according to claim 2, wherein the specifying means (7) discriminates whether or not a combination of a plurality of words in the words specified by the speech recognition means (2, 3) which is specified as a predetermined part of speech meets a predetermined condition, and specifies a content of the speech uttered by the utterer based on a discrimination result.

20   4. The device control device according to claim 1, wherein the specifying means (7) holds information which associates words with one or more categories, and specifies a content of the speech uttered by the utterer based on a category in which the words specified by the speech recognition means (2, 3) are classified.

5. The device control device according to claim 1, wherein the specifying means (7)

25   holds correlation information which associates words of different meanings or different categories with each process of the process execution means (7), and specifies a content of the speech uttered by the utterer based on a combination of those words or categories which are specified by

the speech recognition means (2, 3), and the correlation information.

6. The device control device according to claim 1, wherein the specifying means (7) holds information which associates words with one or more categories, and specifies a content of the speech uttered by the utterer based on a category in which a plurality of words specified by

5 the speech recognition means (2, 3) are commonly classified.

7. The device control device according to claim 1, wherein the specifying means (7) holds a plurality of words assigned to respective processes of the process execution means (7), and performs a corresponding process when at least one of the words specified by the speech recognition means (2, 3) is a word assigned to the process.

10 8. The device control device according to claim 1, wherein when a meaning of an input speech is not discriminatable, the specifying means (7) prompts an input in a more discriminatable expression.

9. The device control device according to claim 1, further comprising information acquisition means (7) which acquires information from an external device, and

15 wherein the specifying means (7) selects an output content to be output based on the information acquired by the information acquisition means (7).

10. A device control device comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

20 specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3);

process specifying means (7) which specifies a content of control to be performed on an external device to be a control target based on the specified content;

information acquisition means (7) which acquires information via predetermined

25 communication means (7); and

speech output means (5) which outputs a speech based on the information acquired by the information acquisition means (7),

whereby when the control specified by the process specifying means (7) is to output information acquired by the information acquisition means (7), the speech output means (5) outputs a speech based on the information.

11. A speech recognition device comprising:

5   speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3); and

process execution means (7) which specifies a process to be performed based on the

10   specified content, and performs the process.

12. The speech recognition device according to claim 11, wherein the speech recognition means (2, 3) includes speech part specifying means (3) which specifies a part of speech of the specified words, and

the specifying means (7) specifies a content of the speech uttered by the utterer based

15   only on those of the words specified by the speech recognition means (2, 3) which are specified as a predetermined part of speech.

13. The speech recognition device according to claim 11, wherein the specifying means (7) holds information which associates words with one or more categories, and specifies a content of the speech uttered by the utterer based on a category in which the words specified by the

20   speech recognition means are classified.

14. The speech recognition device according to claim 11, wherein the specifying means (7) holds correlation information which associates words of different meanings or different categories with each process of the process execution means (7), and specifies a content of the speech uttered by the utterer based on a combination of those words or categories which are

25   specified by the speech recognition means, and the correlation information.

15. The speech recognition device according to claim 11, wherein the specifying means (7) holds information which associates words with one or more categories, and specifies a content

of the speech uttered by the utterer based on a category in which a plurality of words specified by the speech recognition means are commonly classified.

16. The speech recognition device according to claim 11, wherein the specifying means (7) holds a plurality of words assigned to respective processes of the process execution means (7),

5 and performs a corresponding process when at least one of the words specified by the speech recognition means (2, 3) is a word assigned to the process.

17. The speech recognition device according to claim 11, wherein when a meaning of an input speech is not discriminatable, the specifying means (7) prompts an input in a more discriminatable expression.

10 18. The speech recognition device according to claim 11, further comprising information acquisition means (7) which acquires information from an external device, and

wherein the specifying means (7) selects an output content to be output based on the information acquired by the information acquisition means (7).

19. A speech recognition device comprising:

15 speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3);

process specifying means (7) which specifies a process to be performed based on the

20 specified content;

information acquisition means (7) which acquires information via predetermined communication means (74); and

speech output means (5) which outputs a speech based on the information acquired by the information acquisition means (7),

25 whereby when the process specified by the process specifying means (7) is to output information acquired by the information acquisition means (7), the speech output means (5) outputs a speech based on the information.

20. An agent device comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3); and

process execution means (7) which specifies a process to be performed based on the specified content, and performs the process.

21. The agent device according to claim 20, wherein the speech recognition means (2, 3) includes speech part specifying means (3) which specifies a part of speech of the specified words, and

the specifying means (7) specifies a content of the speech uttered by the utterer based only on those of the words specified by the speech recognition means (2, 3) which are specified as a predetermined part of speech.

22. The agent device according to claim 21, wherein the specifying means (7) discriminates whether or not a combination of a plurality of words in the words specified by the speech recognition means (2, 3) which is specified as a predetermined part of speech meets a predetermined condition, and specifies a content of the speech uttered by the utterer based on a discrimination result.

23. The agent device according to claim 20, wherein the specifying means (7) holds information which associates words with one or more categories, and specifies a content of the speech uttered by the utterer based on a category in which the words specified by the speech recognition means are classified.

24. The agent device according to claim 20, wherein the specifying means (7) holds correlation information which associates words of different meanings or different categories with each process of the process execution means (7), and specifies a content of the speech uttered by the utterer based on a combination of those words or categories which are specified by the speech recognition means (2, 3), and the correlation information.

25. The agent device according to claim 20, wherein the specifying means (7) holds information which associates words with one or more categories, and specifies a content of the speech uttered by the utterer based on a category in which a plurality of words specified by the speech recognition means (2, 3) are commonly classified.

26. The agent device according to claim 20, wherein the specifying means (7) holds a plurality of words assigned to respective processes of the process execution means (7), and performs a corresponding process when at least one of the words specified by the speech recognition means (2, 3) is a word assigned to the process.

27. The agent device according to claim 20, wherein when a meaning of an input speech is not discriminatable, the specifying means (7) prompts an input in a more discriminatable expression.

28. The agent device according to claim 20, further comprising information acquisition means (7) which acquires information from an external device, and

wherein the specifying means (7) selects an output content to be output based on the information acquired by the information acquisition means (7).

29. The agent device according to claim 20, wherein the specifying means (7) includes means which, when the process specified as a process to be performed is a process of presenting information externally received to the utterer, performs the presentation by generating a speech which reads out the information.

30. An agent device comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3);

process specifying means (7) which specifies a process to be performed based on the specified content;

information acquisition means (7) which acquires information via predetermined

communication means (74); and

speech output means (5) which outputs a speech based on the information acquired by the information acquisition means (7),

whereby when the process specified by the process specifying means (7) is to output

5 information acquired by the information acquisition means (7), the speech output means (5) outputs a speech based on the information.

31. An on-vehicle device control device so constructed as to be mountable on a vehicle having an external on-vehicle device mounted thereon, comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and

10 specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3); and

process execution means (7) which specifies a content of control to be performed on the on-vehicle device based on the specified content, and performs the control.

15 32. The on-vehicle device control device according to claim 31, wherein the speech recognition means (2, 3) includes speech part specifying means (3) which specifies a part of speech of the specified words, and

the specifying means (7) specifies a content of the speech uttered by the utterer based only on those of the words specified by the speech recognition means (2, 3) which are specified

20 as a predetermined part of speech.

33. The on-vehicle device control device according to claim 31, wherein the specifying means (7) holds information which associates words with one or more categories, and specifies a content of the speech uttered by the utterer based on a category in which the words specified by the speech recognition means (2, 3) are classified.

25 34. The on-vehicle device control device according to claim 31, wherein the specifying means (7) holds correlation information which associates words of different meanings or different categories with each process of the process execution means (7), and specifies a content of the

speech uttered by the utterer based on a combination of those words or categories which are specified by the speech recognition means, and the correlation information.

35. The on-vehicle device control device according to claim 31, wherein the specifying means (7) holds information which associates words with one or more categories, and specifies a content of the speech uttered by the utterer based on a category in which a plurality of words specified by the speech recognition means (2, 3) are commonly classified.

36. The on-vehicle device control device according to claim 31, wherein the specifying means (7) holds a plurality of words assigned to respective processes of the process execution means (7), and performs a corresponding process when at least one of the words specified by the speech recognition means (2, 3) is a word assigned to the process.

37. The on-vehicle device control device according to claim 31, wherein when a meaning of an input speech is not discriminatable, the specifying means (7) prompts an input in a more discriminatable expression.

38. The on-vehicle device control device according to claim 31, further comprising information acquisition means (7) which acquires information from an external device, and

wherein the specifying means (7) selects an output content to be output based on the information acquired by the information acquisition means (7).

39. An on-vehicle device control device so constructed as to be mountable on a vehicle having an external on-vehicle device mounted thereon, comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3);

process specifying means (7) which specifies a content of control to be performed on the on-vehicle device control device based on the specified content;

information acquisition means (7) which acquires information via predetermined communication means (74); and

speech output means (5) which outputs a speech based on the information acquired by

the information acquisition means (7),

whereby when the control specified by the process specifying means (7) is to output

information acquired by the information acquisition means (7), the speech output means (5)

5   outputs a speech based on the information.

40. A navigation device so constructed as to be mountable on a vehicle, comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and

specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based

10   on the words specified by the speech recognition means (2, 3); and

process execution means (7) which specifies a content of a navigation process to be

performed based on the specified content, and performs the navigation process.

41. The navigation device according to claim 40, wherein the speech recognition means

(2, 3) includes speech part specifying means (3) which specifies a part of speech of the specified

15   words, and

the specifying means (7) specifies a content of the speech uttered by the utterer based

only on those of the words specified by the speech recognition means (2, 3) which are specified

as a predetermined part of speech.

42. The navigation device according to claim 40, wherein the specifying means (7) holds

20   information which associates words with one or more categories, and specifies a content of the

speech uttered by the utterer based on a category in which the words specified by the speech

recognition means (2, 3) are classified.

43. The navigation device according to claim 40, wherein the specifying means (7) holds

correlation information which associates words of different meanings or different categories with

25   each process of the process execution means (7), and specifies a content of the speech uttered by

the utterer based on a combination of those words or categories which are specified by the speech

recognition means (2, 3), and the correlation information.

44. The navigation device according to claim 40, wherein the specifying means (7) holds information which associates words with one or more categories, and specifies a content of the speech uttered by the utterer based on a category in which a plurality of words specified by the speech recognition means (2, 3) are commonly classified.

5   45. The navigation device according to claim 40, wherein the specifying means (7) holds a plurality of words assigned to respective processes of the process execution means (7), and performs a corresponding process when at least one of the words specified by the speech recognition means (2, 3) is a word assigned to the process.

46. The navigation device according to claim 40, wherein when a meaning of an input

10   speech is not discriminatable, the specifying means (7) prompts an input in a more discriminatable expression.

47. The navigation device according to claim 40, further comprising information acquisition means (7) which acquires information from an external device, and

wherein the specifying means (7) selects an output content to be output based on the

15   information acquired by the information acquisition means (7).

48. A navigation device so constructed as to be mountable on a vehicle, comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based

20   on the words specified by the speech recognition means (2, 3);

process specifying means (7) which specifies a content of a navigation process to be performed based on the specified content;

information acquisition means (7) which acquires information via predetermined communication means (7); and

25   speech output means (5) which outputs a speech based on the information acquired by the information acquisition means (7),

whereby when the navigation process specified by the process specifying means (7) is to

output information acquired by the information acquisition means (7), the speech output means

outputs a speech based on the information.

49. An audio device comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and

5 specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based

on the words specified by the speech recognition means (2, 3); and

process execution means (7) which specifies a content of a speech process to be

performed based on the specified content, and performs the speech process, or controls an

10 external device in such a way as to cause the external device to perform the speech process.

50. The audio device according to claim 49, wherein the speech recognition means (2, 3)

includes speech part specifying means (3) which specifies a part of speech of the specified words,

and

the specifying means (7) specifies a content of the speech uttered by the utterer based

15 only on those of the words specified by the speech recognition means (2, 3) which are specified

as a predetermined part of speech.

51. The audio device according to claim 49, wherein the specifying means (7) holds

information which associates words with one or more categories, and specifies a content of the

speech uttered by the utterer based on a category in which the words specified by the speech

20 recognition means (2, 3) are classified.

52. The audio device according to claim 49, wherein the specifying means (7) holds

correlation information which associates words of different meanings or different categories with

each process of the process execution means (7), and specifies a content of the speech uttered by

the utterer based on a combination of those words or categories which are specified by the speech

25 recognition means (2, 3), and the correlation information.

53. The audio device according to claim 49, wherein the specifying means (7) holds

information which associates words with one or more categories, and specifies a content of the

speech uttered by the utterer based on a category in which a plurality of words specified by the

speech recognition means (2, 3) are commonly classified.

54. The audio device according to claim 49, wherein the specifying means (7) holds a

plurality of words assigned to respective processes of the process execution means (7), and

5 performs a corresponding process when at least one of the words specified by the speech

recognition means (2, 3) is a word assigned to the process.

55. The audio device according to claim 49, wherein when a meaning of an input speech

is not discriminatable, the specifying means (7) prompts an input in a more discriminatable

expression.

10 56. The audio device according to claim 49, further comprising information acquisition

means (7) which acquires information from an external device, and

wherein the specifying means (7) selects an output content to be output based on the

information acquired by the information acquisition means (7).

57. An audio device comprising:

15 speech recognition means (2, 3) which acquires speech data representing a speech and

specifies words represented by the speech by performing speech recognition on the speech data;

specifying means which specifies a content of the speech uttered by an utterer based on

the words specified by the speech recognition means (2, 3);

process specifying means (7) which specifies a content of a speech process to be

20 performed based on the specified content;

information acquisition means (7) which acquires information via predetermined

communication means (7); and

speech output means (5) which outputs a speech based on the information acquired by

the information acquisition means (7),

25 whereby when the speech process specified by the process specifying means (7) is to

output information acquired by the information acquisition means (7), the speech output means

(5) outputs a speech based on the information.

58. A device control method comprising:

a speech recognition step of acquiring speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying a content of the speech uttered by an utterer based on the words specified in the speech recognition step; and

a process execution step of specifying a content of control to be performed on an external device to be a control target based on the specified content, and performing the control.

59. A device control method comprising:

a speech recognition step of acquiring speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying a content of the speech uttered by an utterer based on the words specified in the speech recognition step;

a process specifying step of specifying a content of control to be performed on an external device to be a control target based on the specified content;

an information acquisition step of acquiring information via a predetermined communication device; and

a speech output step of outputting a speech based on the information acquired in the information acquisition step,

whereby when the control specified in the process specifying step is to output information acquired in the information acquisition step, a speech is output based on the information in the speech output step.

60. A speech recognition method comprising:

a speech recognition step of acquiring speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying a content of the speech uttered by an utterer based on the words specified in the speech recognition step; and

a process execution step of specifying specifies a process to be performed based on the

specified content, and performing the process.

61. A speech recognition method comprising:

a speech recognition step of acquiring speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

5   a specifying step of specifying a content of the speech uttered by an utterer based on the words specified in the speech recognition step;

a process specifying step of specifying a process to be performed based on the specified content;

an information acquisition step of acquiring information via a predetermined

10 communication device; and

a speech output step of outputting a speech based on the information acquired in the information acquisition step,

whereby when the process specified in the process specifying step is to output information acquired in the information acquisition step, a speech is output based on the

15 information in the speech output step.

62. An agent processing method comprising:

a speech recognition step of acquiring speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying specifies a content of the speech uttered by an utterer

20 based on the words specified in the speech recognition step; and

a process execution step of specifying a process to be performed based on the specified content, and performing the process.

63. An agent processing method comprising:

a speech recognition step of acquiring speech data representing a speech and specifies

25 words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying a content of the speech uttered by an utterer based on the words specified in the speech recognition step;

a process specifying step of specifying a process to be performed based on the specified content;

an information acquisition step of acquiring information via a predetermined communication device; and

5   a speech output step of outputting a speech based on the information acquired in the information acquisition step,

whereby when the process specified in the process specifying step is to output information acquired in the information acquisition step, a speech is output based on the information in the speech output step.

10   64. An on-vehicle device control method for controlling an on-vehicle device mounted on a vehicle, comprising:

a speech recognition step of acquiring speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying a content of the speech uttered by an utterer based on the

15   words specified in the speech recognition step; and

a process execution step of specifying a content of control to be performed on the on-vehicle device based on the specified content, and performing the control.

65. An on-vehicle device control method for controlling an on-vehicle device mounted on a vehicle, comprising:

20   a speech recognition step of acquiring speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying a content of the speech uttered by an utterer based on the words specified in the speech recognition step:

a process specifying step of specifying a content of control to be performed on the on-

25   vehicle device control device based on the specified content;

an information acquisition step of acquiring information via a predetermined communication device; and

a speech output step of outputting a speech based on the information acquired in the information acquisition step,

whereby when the control specified in the process specifying step is to output information acquired in the information acquisition step, a speech is output based on the

5 information in the speech output step.

66. A navigation method comprising:

a speech recognition step of acquiring speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying a content of the speech uttered by an utterer based on the

10 words specified in the speech recognition step; and

a process execution step of specifying a content of a navigation process to be performed based on the specified content, and performing the navigation process.

67. A navigation method comprising:

a speech recognition step of acquiring speech data representing a speech and specifies

15 words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying a content of the speech uttered by an utterer based on the words specified in the speech recognition step;

a process specifying step of specifying a content of a navigation process to be performed based on the specified content;

20   an information acquisition step of acquiring information via a predetermined communication device; and

a speech output step of outputting a speech based on the information acquired in the information acquisition step,

whereby when the navigation process specified in the process specifying step is to output

25 information acquired in the information acquisition step, a speech is output based on the information in the speech output.

68. An audio device control method comprising:

a speech recognition step of acquiring speech data representing a speech and specifies

words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying a content of the speech uttered by an utterer based on the

words specified in the speech recognition step; and

5   a process execution step of specifying a content of a speech process to be performed

based on the specified content, and performing the speech process, or controlling an external

audio device in such a way as to cause the external device to perform the speech process.

69. An audio device control method comprising:

a speech recognition step of acquiring speech data representing a speech and specifies

10   words represented by the speech by performing speech recognition on the speech data;

a specifying step of specifying a content of the speech uttered by an utterer based on the

words specified in the speech recognition step;

a process specifying step of specifying a content of a speech process to be performed by

an external audio device based on the specified content;

15   an information acquisition step of acquiring information via a predetermined

communication device; and

a speech output step of outputting a speech based on the information acquired in the

information acquisition step,

whereby when the speech process specified in the process specifying step is to output

20   information acquired in the information acquisition step, a speech is output based on the

information in the speech output step.

70. A program which allows a computer to function as a device control device

comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and

25   specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based

on the words specified by the speech recognition means (2, 3); and

process execution means (7) which specifies a content of control to be performed on an external device to be a control target based on the specified content, and performs the control.

71. A program which allows a computer to function as a device control device comprising:

5   speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3);

process specifying means (7) which specifies a content of control to be performed on an

10   external device to be a control target based on the specified content;

information acquisition means (7) which acquires information via predetermined communication means (74); and

speech output means (5) which outputs a speech based on the information acquired by the information acquisition means (7),

15   whereby when the control specified by the process specifying means (7) is to output information acquired by the information acquisition means (7), the speech output means (5) outputs a speech based on the information.

72. A program which allows a computer to function as a speech recognition device comprising:

20   speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3); and

process execution means (7) which specifies a process to be performed based on the

25   specified content, and performs the process.

73. A program which allows a computer to function as a speech recognition device comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3);

5   process specifying means (7) which specifies a process to be performed based on the specified content;

information acquisition means (7) which acquires information via predetermined communication means (74); and

speech output means (5) which outputs a speech based on the information acquired by

10 the information acquisition means (7),

whereby when the process specified by the process specifying means (7) is to output information acquired by the information acquisition means (7), the speech output means (5) outputs a speech based on the information.

74. A program which allows a computer to function as an agent device comprising:

15   speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3); and

process execution means (7) which specifies a process to be performed based on the

20 specified content, and performs the process.

75. A program which allows a computer to function as an agent device comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based

25 on the words specified by the speech recognition means (2, 3);

process specifying means (7) which specifies a process to be performed based on the specified content;

information acquisition means (7) which acquires information via predetermined communication means (74); and

speech output means (5) which outputs a speech based on the information acquired by the information acquisition means (7),

5 whereby when the process specified by the process specifying means (7) is to output information acquired by the information acquisition means (7), the speech output means (5) outputs a speech based on the information.

76. A program which allows a computer to function as an on-vehicle device control device so constructed as to be mountable on a vehicle having an external on-vehicle device

10 mounted thereon, comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3); and

15 process execution means (7) which specifies a content of control to be performed on the on-vehicle device based on the specified content, and performs the control.

77. A program which allows a computer to function as an on-vehicle device control device so constructed as to be mountable on a vehicle having an external on-vehicle device mounted thereon, comprising:

20 speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3);

process specifying means which specifies a content of control to be performed on the on-

25 vehicle device control device based on the specified content;

information acquisition means (7) which acquires information via predetermined communication means (74); and

speech output means (5) which outputs a speech based on the information acquired by the information acquisition means (7),

whereby when the control specified by the process specifying means (7) is to output information acquired by the information acquisition means (7), the speech output means (5)

5   outputs a speech based on the information.

78. A program which allows a computer to function as a navigation device so constructed as to be mountable on a vehicle, comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

10   specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3); and

process execution means (7) which specifies a content of a navigation process to be performed based on the specified content, and performs the navigation process.

79. A program which allows a computer to function as a navigation device so

15   constructed as to be mountable on a vehicle, comprising:

speech recognition means which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3);

20   process specifying means which specifies a content of a navigation process to be performed based on the specified content;

information acquisition means (7) which acquires information via predetermined communication means (74); and

speech output means (5) which outputs a speech based on the information acquired by

25   the information acquisition means (7),

whereby when the navigation process specified by the process specifying means (7) is to output information acquired by the information acquisition means (7), the speech output means

outputs a speech based on the information.

80. A program which allows a computer to function as an audio device comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

5   specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3); and

process execution means (7) which specifies a content of a speech process to be performed based on the specified content, and performs the speech process, or controls an external device in such a way as to cause the external device to perform the speech process.

10   81. A program which allows a computer to function as an audio device comprising:

speech recognition means (2, 3) which acquires speech data representing a speech and specifies words represented by the speech by performing speech recognition on the speech data;

specifying means (7) which specifies a content of the speech uttered by an utterer based on the words specified by the speech recognition means (2, 3);

15   process specifying means (7) which specifies a content of a speech process to be performed based on the specified content;

information acquisition means (7) which acquires information via predetermined communication means (7); and

speech output means (5) which outputs a speech based on the information acquired by

20 the information acquisition means (7),

whereby when the speech process specified by the process specifying means (7) is to output information acquired by the information acquisition means (7), the speech output means (5) outputs a speech based on the information.